

Flight Scientist Report
Friday 06/03/2022 ACTIVATE RF164

Flight Type: Statistical Survey Flight
Flight Route:

Special Notes: Flight was cut short to have Falcon return to base after a successful cloud 'wall' module in order for it to return to LaRC for mission operations purposes relating to the UC-12.

King Air

Pilot report ():

Flight scientist report ():

Falcon

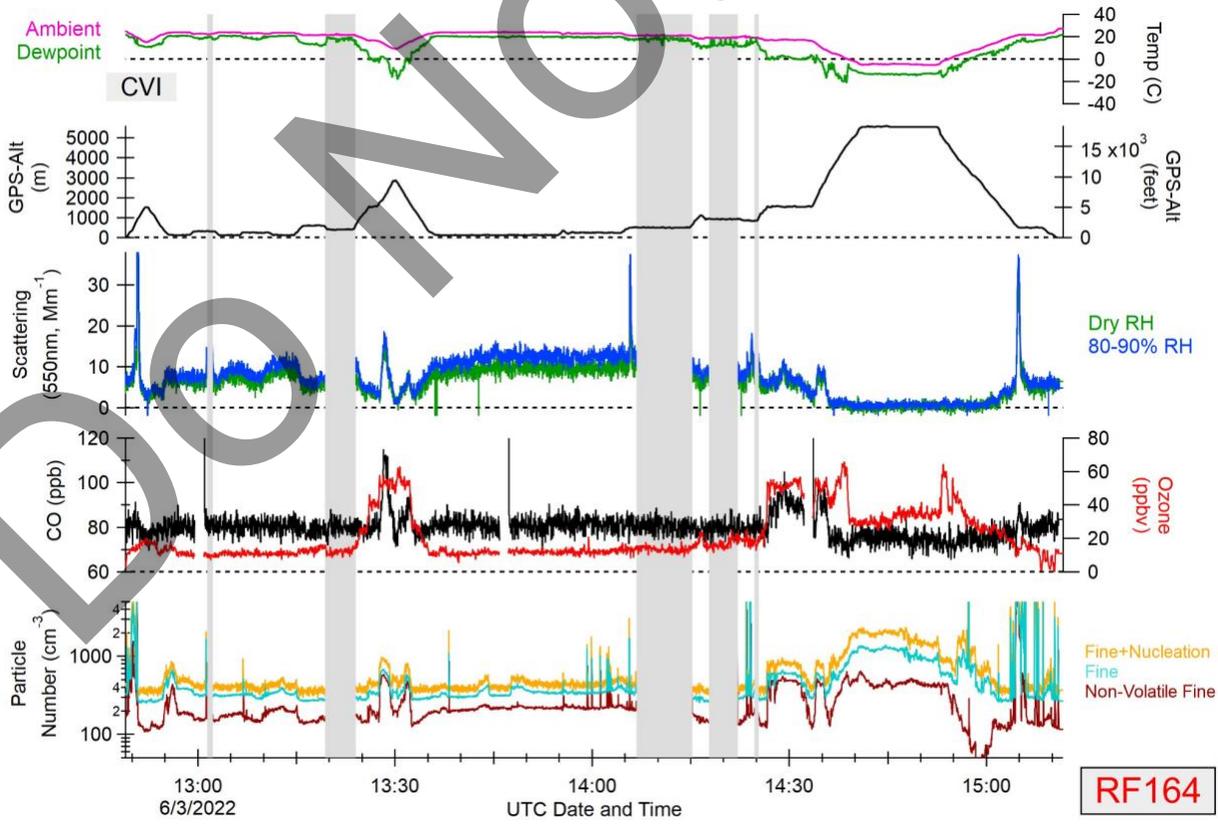
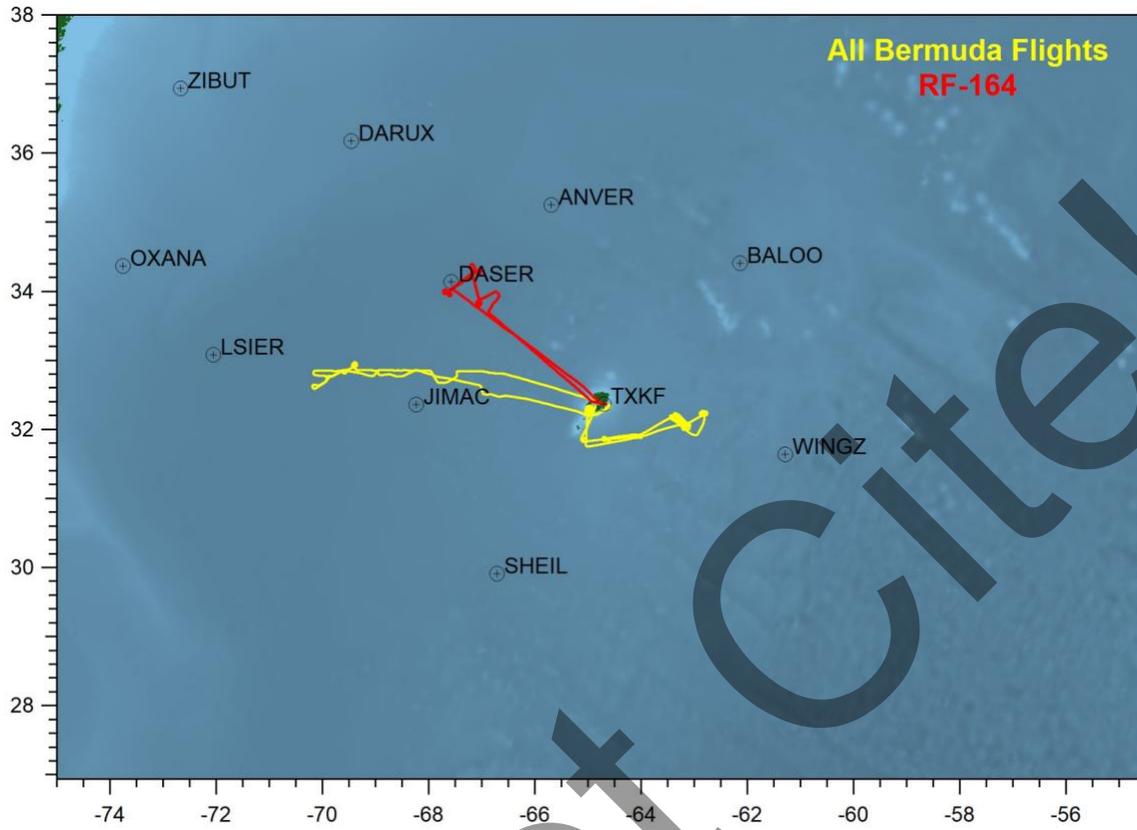
Pilot report (Baxley):

Planned and flown as single HU-25 ACTIVATE sortie. TXKF-DASER-DAREX-DASER-3215N/06500W-TXKF. Significant deviation from the plan at the direction of the research team.

Flight scientist report ():

Winstead:

13:30:00 Spiral descent at 1500 ft/min. There is a haze layer between 5000 & 7000 ft.



Do Not Cite!

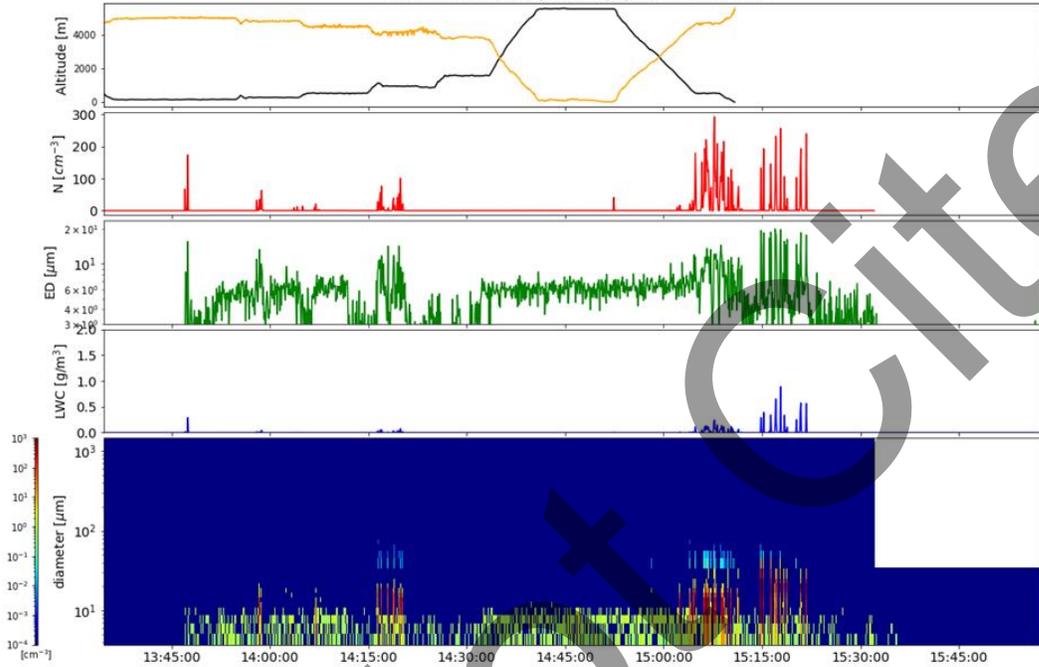
Quicklook ACTIVATE Cloud Probes (FCDP & 2DS) Quicklook

preliminary data, only for quicklook use

Simon Kirschler, Christiane Voigt, Richard Moore, Ewan Crosbie



Cloud Probes (FCDP & 2DS) Quicklook 03/06/2022 13:34:37-15:57:30

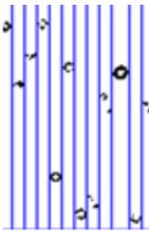
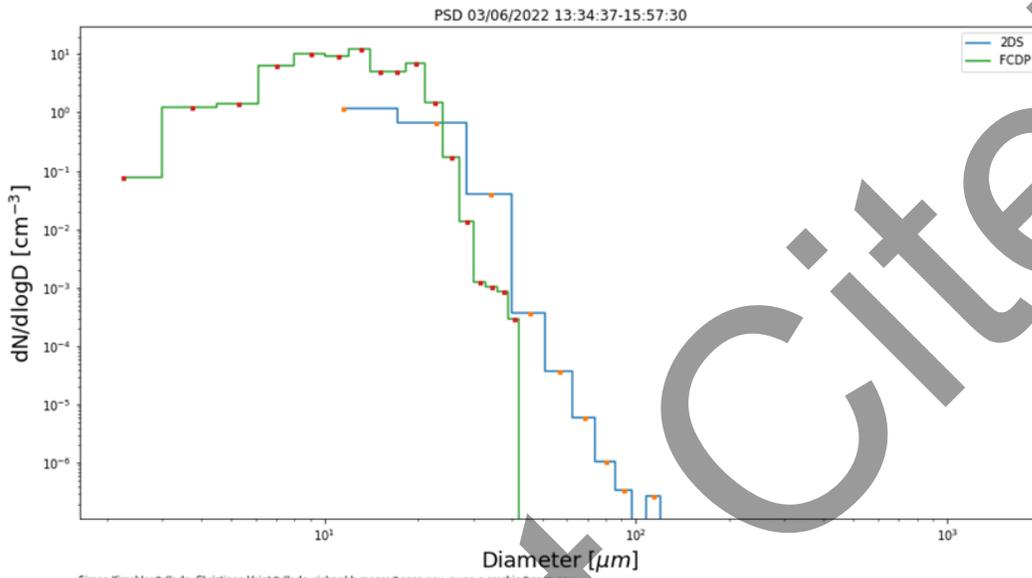


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Do Not Cite!

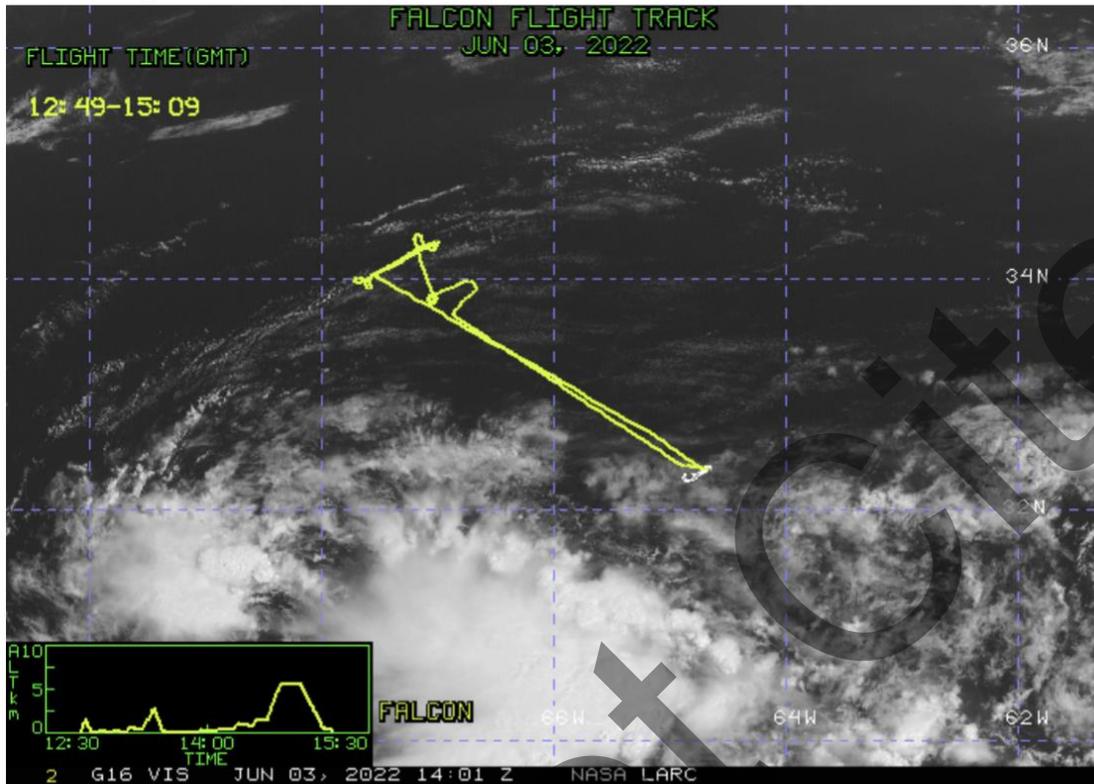
PSD ACTIVATE

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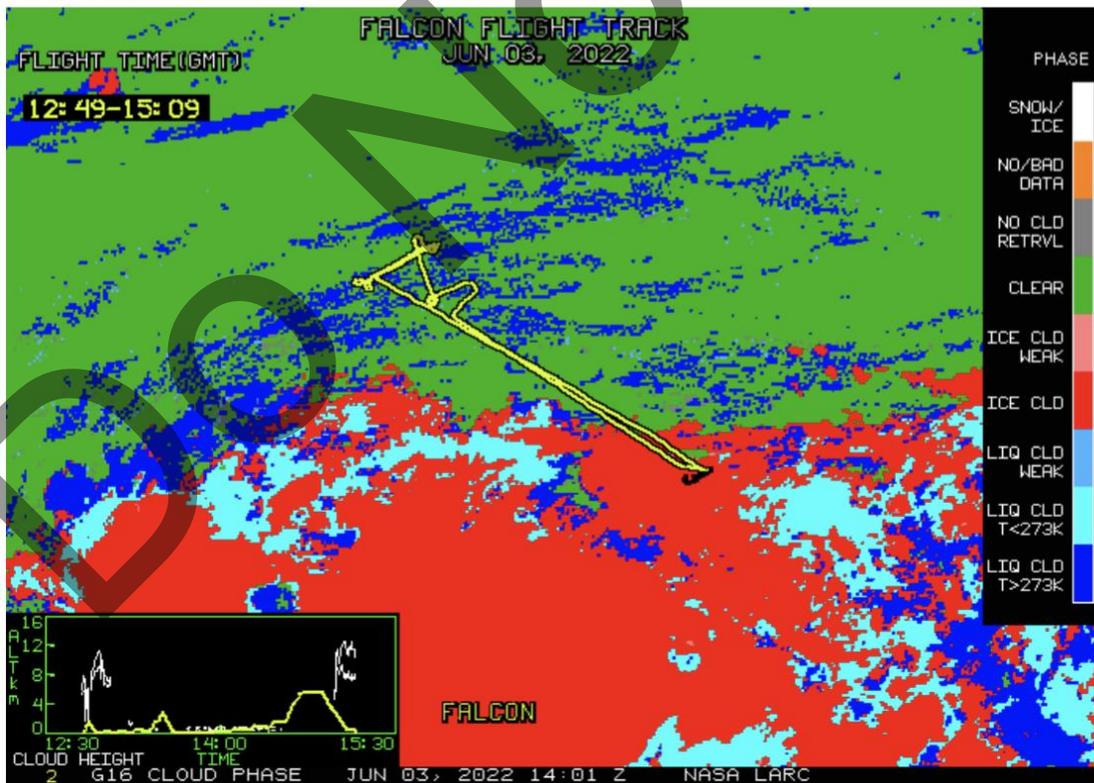


Only pure liquid clouds without Precip.

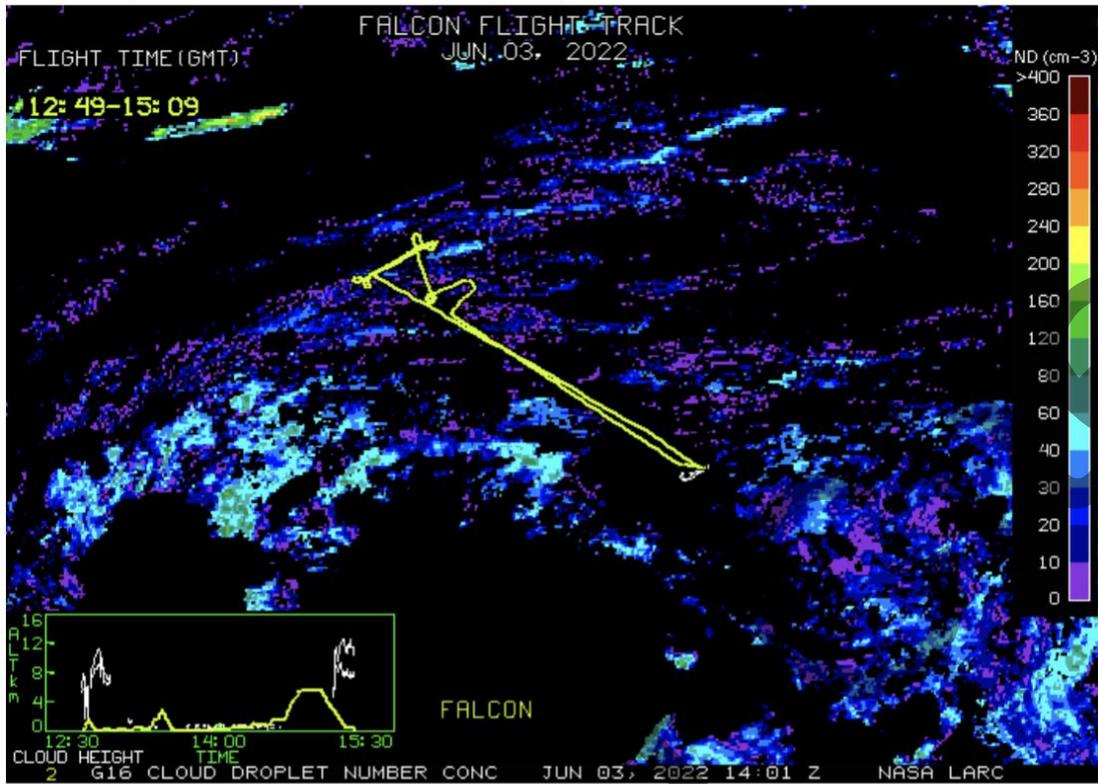
NASA-LaRC Clouds Group GOES-16 Quicklook Images for Flight 164, 14:01 UTC Jun 03, 2022
Visible Image



Cloud Phase



Cloud Droplet Number Concentration (cm-3)



Cloud-Top Height (Kft-ASL)

